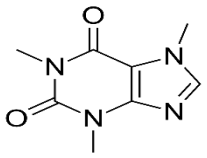
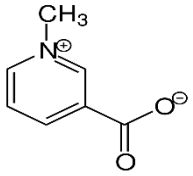
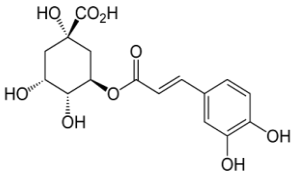
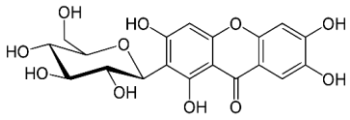
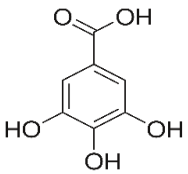
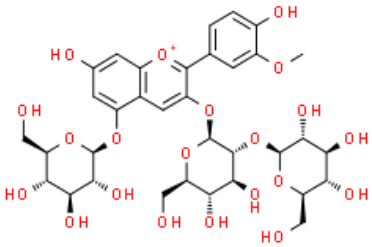
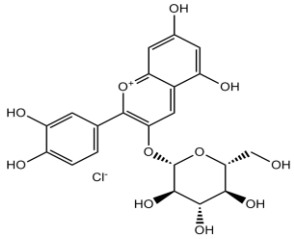
Table S1. Structural formula of the compounds depicting the hydroxyl components and the glycosylic linkages that scavenge reactive oxygen species

Analyte name	**Structural formula**	**Class of compound**	**Method of determination**
Caffeine		Alkaloid (Purine)	HPLC (UV detector)
Trigonelline		Alkaloid (Pyridine)	HPLC (UV detector)
5–Caffeoylquinic acid		Phenolic (Chlorogenic acid)	HPLC (UV detector)
Mangiferin		Phenolic (Xanthone)	HPLC (UV detector)
Total Polyphenol (Gallic acid)		Phenolic	Follin Ciocalteu's method.
Peonidin 3–(6–caffeoyl–sophoride) –5 glucoside (YGM – 5b)		Phenolic (Anthocyanin - Flavonoid)	Acidified Methanol (Separated using chloroform).
Cyanidin 3 – glucoside (CY3G)		Phenolic (Anthocyanin - Flavonoid)	Acidified Methanol (Separated using chloroform).